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Subject: extension of substructure definition

Posted by [nbehrnd](#) on Thu, 24 Aug 2023 09:33:37 GMT

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Dear Thomas,

I would like to suggest to extend the sketcher's functionality to define motifs.

While editing a list of motifs eventually to be used as a reference set for the evolutionary library generation, I noticed the short cut `Ctrl + double left mouse click` to define one site to be e.g., either a nitrogen, or an oxygen atom currently works only if the structure in the DW's cell already carries a similar flexibility (cf. attached silent `record\_1.mp4`). Instead, the whole molecule is marked. The information necessary to DW to spot potential atomic variation can be introduced by import of a .sdf with a square bracket in the corresponding line (as in the example of `compound\_50.sdf`).

If not already implemented by an other command and unidentified by me, could future releases of DW provide the substructure function/atom query feature widget equally for cells about structures which still are empty (cf. second part of `record\_1.mp4, and `record\_2.mp4`)?

Best regards,

Norwid

#### File Attachments

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- 1) [compound\\_50.sdf](#), downloaded 288 times
  - 2) [nasty\\_functions.dwar](#), downloaded 293 times
  - 3) [record\\_1.mp4](#), downloaded 273 times
  - 4) [record\\_2.mp4](#), downloaded 289 times
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